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Amendments to the Claims

Kindly amend claims 1, 16 & 31 and cancel claims 3-8, 12-15, 18-23, 27-30, 33-38 & 42-45 (without prejudice) as follows. In compliance with the Revised Amendment Format, a complete listing of claims is provided herein.

1. (Currently Amended) A method of reducing data movement within a computing environment, said method comprising:

transmitting data between a file system of a server of said computing environment and a transmission medium of said computing environment, said transmitting being responsive to a request for transmission received by the server, wherein said server includes at least one file system buffer and at least one non-file system buffer, ; and

wherein said transmitting comprises transmitting data directly between the transmission medium and one or more buffers of the at least one file system buffer, thereby reducing data movement in said server by bypassing copying the data between one or more buffers of the at least one non-file system buffer and the one or more buffers of the at least one file system buffer non-file system buffers of said server in performing the transmission, said copying the data buffers being bypassed irrespective of the server having knowledge of the request prior to receipt thereof.

2. (Original) The method of claim 1, wherein said transmitting comprises sending data from a sender of said computing environment over said transmission medium to said file system to be written to one or more storage media coupled to said file system.

3. (Cancelled)

4. (Cancelled)

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5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Original) The method of claim 1, wherein said transmitting comprises sending data from said file system over said transmission medium to a receiver of said data.

10. (Original) The method of claim 9, wherein said sending comprises using a routine identified by said receiver to send said data, wherein said routine is provided one or more pointers to said data to be sent to said receiver.

11. (Original) The method of claim 9, wherein said sending comprises providing to said receiver one or more pointers to said data.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

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16. (Currently Amended) A system of reducing data movement within a computing environment, said system comprising:

means for transmitting data between a file system of a server of said computing environment and a transmission medium of said computing environment, said transmitting being responsive to a request for transmission received by the server, wherein said server includes at least one file system buffer and at least one non-file system buffer; and

wherein said means for transmitting comprises means for transmitting data directly between the transmission medium and one or more buffers of the at least one file system buffer, thereby reducing data movement in said server by bypassing copying the data between one or more buffers of the at least one non-file system buffer and the one or more buffers of the at least one file system buffer; non-file system buffers of said server in performing the transmission, said copying the data buffers being bypassed irrespective of the server having knowledge of the request prior to receipt thereof.

17. (Original) The system of claim 16, wherein said means for transmitting comprises means for sending data from a sender of said computing environment over said transmission medium to said file system to be written to one or more storage media coupled to said file system.

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

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22. (Cancelled)

23. (Cancelled)

24. (Original) The system of claim 16, wherein said means for transmitting comprises means for sending data from said file system over said transmission medium to a receiver of said data.

25. (Original) The system of claim 24, wherein said means for sending comprises means for using a routine identified by said receiver to send said data, wherein said routine is provided one or more pointers to said data to be sent to said receiver.

26. (Original) The system of claim 24, wherein said means for sending comprises means for providing to said receiver one or more pointers to said data.

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Currently Amended) At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of reducing data movement within a computing environment, said method comprising:

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transmitting data between a file system of a server of said computing environment and a transmission medium of said computing environment, said transmitting being responsive to a request for transmission received by the server, wherein said server includes at least one file system buffer and at least one non-file system buffer; and

wherein said transmitting comprises transmitting data directly between the transmission medium and one or more buffers of the at least one file system buffer, thereby reducing data movement in said server by bypassing copying the data between one or more buffers of the at least one non-file system buffer and the one or more buffers of the at least one file system buffer ~~non-file system buffers of said server~~ in performing the transmission, said copying the data buffers being bypassed irrespective of the server having knowledge of the request prior to receipt thereof.

32. (Original) The at least one program storage device of claim 31, wherein said transmitting comprises sending data from a sender of said computing environment over said transmission medium to said file system to be written to one or more storage media coupled to said file system.

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Cancelled)

38. (Cancelled)

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39. (Original) The at least one program storage device of claim 31, wherein said transmitting comprises sending data from said file system over said transmission medium to a receiver of said data.

40. (Original) The at least one program storage device of claim 39, wherein said sending comprises using a routine identified by said receiver to send said data, wherein said routine is provided one or more pointers to said data to be sent to said receiver.

41. (Original) The at least one program storage device of claim 39, wherein said sending comprises providing to said receiver one or more pointers to said data.

42. (Cancelled)

43. (Cancelled)

44. (Cancelled)

45. (Cancelled)